

CH/CD-101



CH/CD-701



CH/CD-401



CH/CD-901



ASCH series intelligent digital temperature controller

Abstract

ASCH uses computer chips as its main control units , with multi- digital filter circuit , disturbance moving regaining , PID control , and self- tuning , etc . Its advantages are high accuracy , stable and accurate temperature control , anti- jamming , and easy- operating , etc .

II . Specification

Nominal voltage : 180V ~ 240V , 50Hz

Power consumption : ≤ 5W

Accuracy : 1%

Resolution : 1°C

Operating temperature: 0°C~ 50°C

Humidity 30%~85% (No condensation)

Wiring type terminal mounting

PID parameter introduction

P: proportion setting. when temperature changes regularly, increase it , by the contrast, reduce it; when the system goes beyond it much, increase it , by the contrast, reduce it

I: integral time constant, when temperature changes regularly, increase it , by the contrast, reduce it; when the system goes beyond it much, increase it , by the contrast, reduce it. Generally speaking, 60-240 is suitable for many system.

D: differential time setting. the increase of it can reduce the over temperature of the system. But too long time will lead to sensitive excessively set

Between: 1/3-1/5.

T: Controlling circle:

When temperature raises quickly, reduce T. Generally , the smaller value of T, the better controlling. If the output is relay, too small T will influence the use life of the relay. relay: T is 20 more or less, SSR:T is 2s, simulation :T is 0.5s.

